

# Keysight 16034G/H Test Fixture



NOTICE: This document contains references to Agilent Technologies. Agilent's former Test and Measurement business has become Keysight Technologies. For more information, go to **[www.keysight.com](http://www.keysight.com)**.



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## Notices

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## Manual Printing History

The manual's printing date and part number indicate its current edition. The printing date changes when a new edition is printed. (Minor corrections and updates incorporated in reprints do not necessitate a new printing date.) The manual part number changes when extensive technical changes are incorporated.

January 1999	Edition 1 (part number: 16034-90100)
April 1999	Edition 2
March 2000	Edition 3 (part number: 16034-90100)
February 2015	Edition 4

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## Safety Summary

The following general safety precautions must be observed during all phases of operation, service, and repair of this instrument. Failure to comply with these precautions or with specific WARNINGS elsewhere in this manual may impair the protection provided by the equipment. Such noncompliance would also violate safety standards of design, manufacture, and intended use of the instrument.

Keysight Technologies assumes no liability for the customer's failure to comply with these requirements.

- Ground the instrument

To avoid electric shock hazard, the instrument chassis and cabinet must be grounded by using the supplied power cable's grounding prong.

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- DO NOT operate in an explosive atmosphere

Do not operate the instrument in the presence of flammable gasses or fumes. Operation of any electrical instrument in such an environment clearly constitutes a safety hazard.

- Keep away from live circuits

Operators must not remove instrument covers. Component replacement and internal adjustments must be made by qualified maintenance personnel. Do not replace components with the power cable connected. Under certain conditions, dangerous voltages may exist even with the power cable removed. To avoid injuries, always disconnect power and discharge circuits before touching them.

- DO NOT service or adjust alone

Do not attempt internal service or adjustment unless another person, capable of rendering first aid and resuscitation, is present.

- DO NOT substitute parts or modify instrument

To avoid the danger of introducing additional hazards, do not install substitute parts or perform unauthorized modifications to the instrument. Return the instrument to a Keysight Technologies Sales and Service Office for service and repair to ensure that safety features are maintained in operational condition.

- Dangerous Procedure Warnings

Warnings, such as the example below, precede potentially dangerous procedures throughout this manual. Instructions contained in the warnings must be followed.

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**WARNING**

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**Dangerous voltages, capable of causing death, are present in this instrument. Use extreme caution when handling, testing, or adjusting this instrument.**

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## Certification

Keysight Technologies certifies that this product met its published specifications at the time of shipment from the factory. Keysight Technologies further certifies that its calibration measurements are traceable to the United States National Institute of Standards and Technology, to the extent allowed by the Institution's calibration facility, or to the calibration facilities of other International Standards Organization members.

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## Warranty

This Keysight Technologies instrument product is warranted against defects in material and workmanship for a period corresponding to the individual warranty periods of its component products. Instruments are warranted for a period of one year. Fixtures and adapters are warranted for a period of 90 days. During the warranty period, Keysight Technologies will, at its option, either repair or replace products that prove to be defective.

For warranty service or repair, this product must be returned to a service facility designated by Keysight Technologies. Buyer shall prepay shipping charges to Keysight Technologies and Keysight Technologies shall pay shipping charges to return the product to Buyer. However, Buyer shall pay all shipping charges, duties, and taxes for products returned to Keysight Technologies from another country.

Keysight Technologies warrants that its software and firmware designated by Keysight Technologies for use with an instrument will execute its programming instruction when properly installed on that instrument. Keysight Technologies does not warrant that the operation of the instrument, or software, or firmware will be uninterrupted or error free.

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## Limitation Of Warranty

The foregoing warranty shall not apply to defects resulting from improper or inadequate maintenance by Buyer, Buyer-supplied software or interfacing, unauthorized modification or misuse, operation outside the environmental specifications for the product, or improper site preparation or maintenance.

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### IMPORTANT

No other warranty is expressed or implied. Keysight Technologies specifically disclaims the implied warranties of merchantability and fitness for a particular purpose.

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## Exclusive Remedies

The remedies provided herein are buyer's sole and exclusive remedies. Keysight Technologies shall not be liable for any direct, indirect, special, incidental, or consequential damages, whether based on contract, tort, or any other legal theory.

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## **Assistance**

Product maintenance agreements and other customer assistance agreements are available for Keysight Technologies products.

For any assistance, contact your nearest Keysight Technologies Sales and Service Office. Addresses are provided at the back of this manual.





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# 1 Service

This chapter provides information on servicing and proper maintenance.

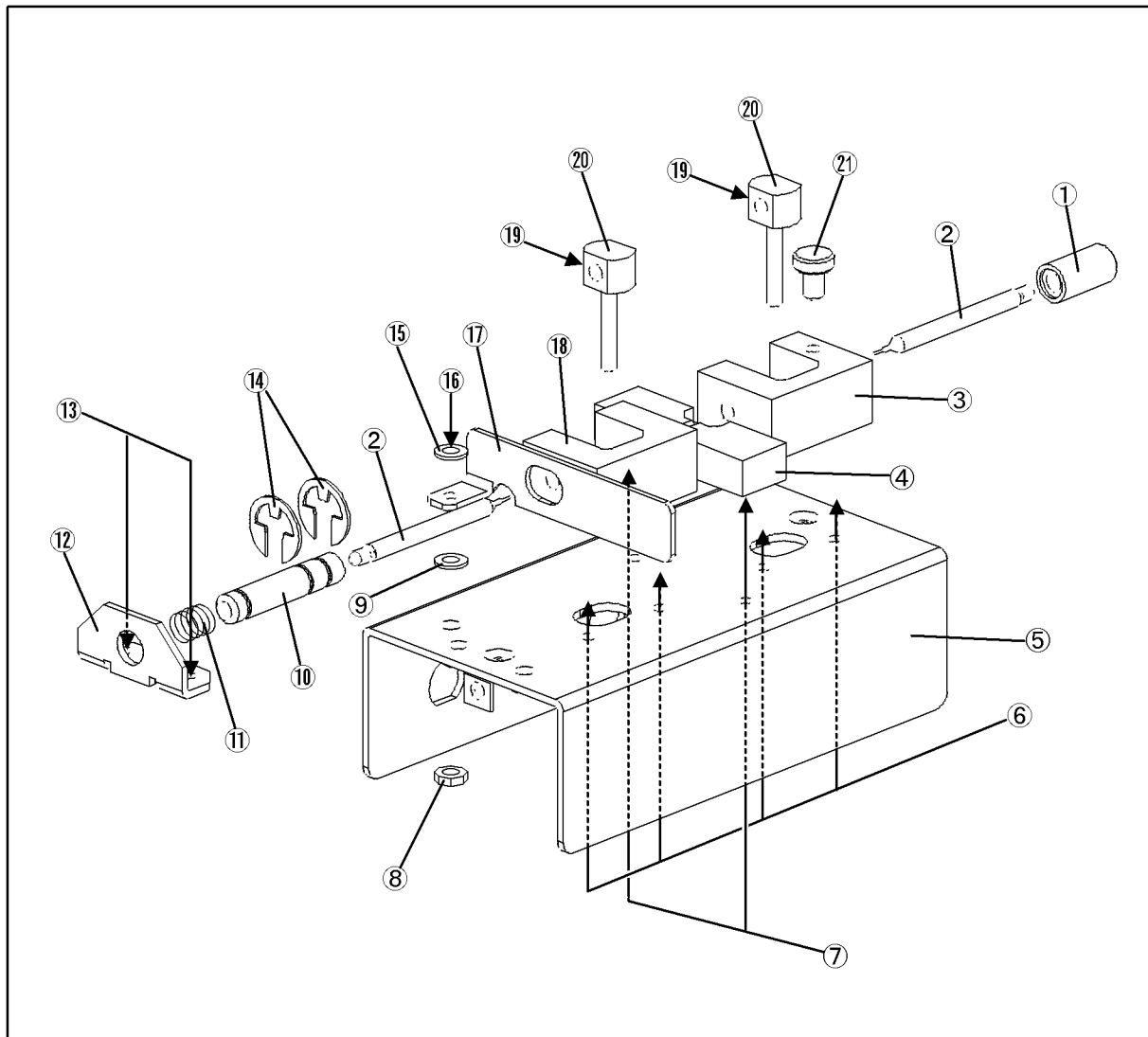
## Maintenance

An exploded view of the 16034G/H for parts identification is shown in [Figure 1-1](#) and [Figure 1-2](#). Do not disassemble any further than shown. Maintenance consists principally of cleaning contacts and replacing worn or damaged parts. Take special care when cleaning contacts.

To order parts, use the Keysight part numbers listed in [Table 1-1](#) and [Table 1-2](#). If a faulty part is located in an assembly that cannot be disassembled, order the next higher assembly or return the fixture to the nearest Keysight Technologies Sales/Service Office for repair or replacement.

### Replacable Parts

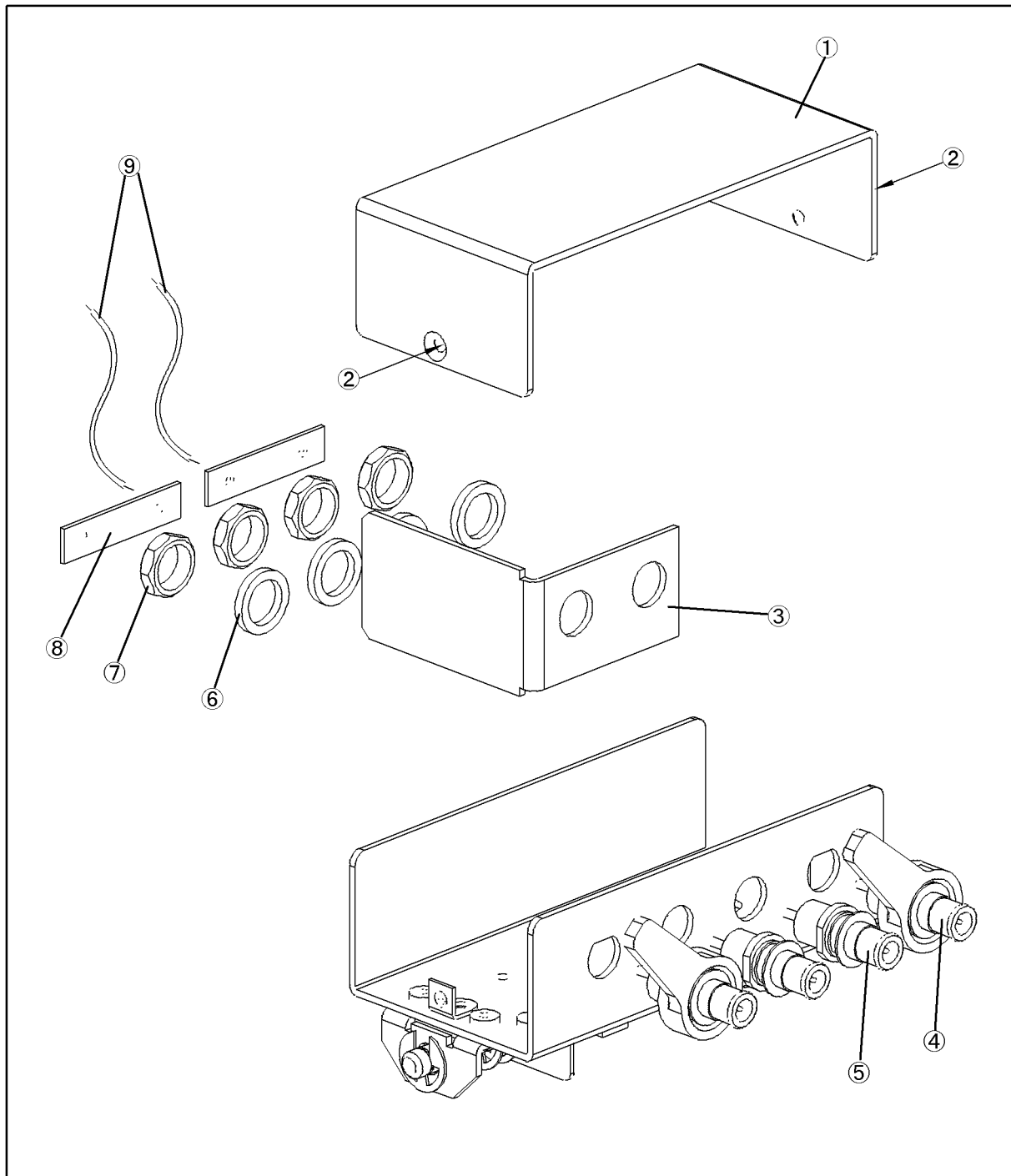
**Figure 1-1**      **Replacable Parts (part 1 of 2)**



**Table 1-1**      **Replacable Parts (part 1 of 2)**

Reference Designator	Keysight Part No.	Qty.	Description
1	16034-25013	1	KNOB
2	16034-24011	2	ELECTRODE
3	16034-25011	1	BLOCK
4	16034-25014	1	BLOCK (16034G)
	16034-25021	1	BLOCK (16034H)
5	16034-04011	1	COVER TOP
6	0515-1550	4	SCREW
7	0515-1550	2	SCREW
8	0535-0031	1	NUT-HEX W/LOCKER
9	3050-1139	1	WASHER
10	16034-25015	1	KNOB
11	16034-08001	1	SPRING
12	16034-01211	1	BRACKET
13	0515-1550	2	SCREW
14	0510-0083	2	RETAINER
15	3050-0891	1	WASHER
16	0515-0920	1	SCREW
17	16034-05011	1	LEVER
18	16034-25012	1	BLOCK
19	3030-0007	2	SCREW
20	16034-24012	2	PLUG
21	16034-24014	1	SCREW

Figure 1-2 Replacable Parts (part 2 of 2)



**Table 1-2**      **Replacable Parts (part 2 of 2)**

Reference Designator	Keysight Part No.	Qty.	Description
1	16034-04012	1	COVER BOTTOM
2	0515-0914	2	SCREW
3	16034-00601	1	PLATE - SHIELD
4	16012-7122	2	BNC - ASSY
5	1250-1798	2	CONNECTOR-BNC
6	2190-0016	4	WASHER
7	2950-0043	4	NUT-HEX-DBL-CHAM
8	16047-00617	2	PLATE
9	16034-68021	1	JUMPER WIRE (2 ea)



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